

**CEEN 3320 - Behavior & Properties of Engineering Materials**  
**Laboratory Experiment No. 6 - Sieve Analysis & Aggregate Blending,**  
**Uncompacted Voids of Fine Aggregates, Sand Equivalent Test, Binder Viscosity**

**Part A – Aggregate Data**

Aggregate Type	Natural Sand	Mfg'd Sand	Large Coarse	Small Coarse
Gsb	2.583	2.606	2.579	2.567
Gsa	2.645	2.697	2.683	2.677
Absorption, %	0.9	1.3	1.5	1.6
1+ Frac	n.a.	n.a.	65	90
2+Frac	n.a.	n.a.	50	75
Flat&Elong	n.a.	n.a.	0	0
FAA	41	45	n.a.	n.a.
COST \$/ton	6.95	11.30	9.75	10.50